Message

From: Dunlap, David [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=591EB15A268249DDA0C05A7451F765C3-DUNLAP, DAV]
Sent: 11/1/2018 12:14:46 AM
To: Gillespie, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dce99ece87694a06b3009d7756e2a89e-Gillespie, Andrew]
Subject: RE: PFBS/GenX Briefing - DETECTION LIMITS FOR GEN X UNDER UPDATED METHOD 537

Thank you. Very helpful.

DDD

From: Gillespie, Andrew
Sent: Wednesday, October 31, 2018 2:48 PM
To: Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>; Dunlap, David <dunlap.david@epa.gov>; Rodan, Bruce <rodan.bruce@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Lambert, Jason <Lambert.Jason@epa.gov>; Owens, Beth <Owens.Beth@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Kuhn, Kevin <Kuhn.Kevin@epa.gov>; Christian, Megan <Christian.Megan@epa.gov>; Fleming, Megan <Fleming.Megan@epa.gov>
Cc: Mattas-Curry, Lahne <Mattas-Curry.Lahne@epa.gov>
Subject: RE: PFBS/GenX Briefing - DETECTION LIMITS FOR GEN X UNDER UPDATED METHOD 537

As requested, from our NERL colleagues, below is a table showing Method 537 current and new (yellow) analytes, with detection limits (DL) and minimum reporting limits (LCMRL). ng/L is same as ppt.

HFPO-DA is of course one of the GenX chemicals

Table 5 from the method with DLs and LCMRLs. New PFAS highlighted in yellow.

TABLE 5. DLs AND LCMRLs IN REAGENT WATER

Analyte	Fortified Conc. (ng/L)[a]	DL[b] (ng/L)	LCMRL[c] (ng/L)
PFBS	4.0	1.8	6.3
PFHxA	4.0	1.0	1.7
HFPO-DA	4.0	1.9	4.3
PFHpA	4.0	0.71	0.63
PFHxS	4.0	1.4	2.4
ADONA	4.0	0.88	0.55
PFOA	4.0	0.53	0.82
PFOS	4.0	1.1	2.7
PFNA	4.0	0.70	0.83
9Cl-PF3ONS	4.0	1.4	1.8
PFDA	4.0	1.6	3.3
NMeFOSAA	4.0	2.4	4.3
PFUnA	4.0	1.6	5.2
NEtFOSAA	4.0	2.8	4.8
11CL-PF3OUdS	4.0	1.5	1.5
PFDoA	4.0	1.2	1.3
PFTrDA	4.0	0.72	0.53
PFTA	4.0	1.1	1.2

[a] Spiking concentration used to determine DL.

[b] Detection limits were determined by analyzing seven replicates over three days according to Section 9.2.8.

[c] LCMRLs were calculated according to the procedure in reference 1.

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